6
SHELL

PLATE I

NUMBER & ORDER OF SHEETS

1. COVER & TITLE SHEET
2. DIMENSIONS & DATA SHEET
3. OUTBOARD PROFILE
4. INBOARD PROFILE
5. MAIN DECK & FLAT
6. CARGO HOLD & ENGINE RM.
7. UPPER DECK & PILOT HOUSE
8. TRANSVERSE SECTIONS

CORRECTED TO SUIT SHIP

PLACE	DATE	DESIGN DEPT.
US NAVY FLEET ACTIVITE (SRD. SASEBO)	12-6-68	

USS FREIGHT LIGHTER YFR-890

COVER & TITLE SHEET

NAVSHIPSYSCOM PLAN NO. YFR-890-S0103-2945391

PLATE 2

GENERAL INFORMATION

LENGTH BETWEEN PERPENDICULARS	132'-0"
LENGTH OVERALL	132'-10"
BREATH- EXTREME OUTSIDE OF PLATING	30'-1 3/4"
DRAFT ABOVE BOTTOM OF KEEL AMIDSHIP	8'-0"

PROPELLERS

CENTER OF SCREWS FWD OF AP	10'-4 15/16"
CENTERLINE OF RUDDER FWD OF AP	7'-0"
CENTERLINE OF STERN TUBE BRG FWD OF AP	20'-4 1/2"
CENTERLINE OF AFTER STRUT BRG FWD OF AP.	13'-0"

HEIGHT ABV KEEL OF FOCSLE DK AT SIDE (MOLDED)	18' 2 1/8"
DEPTH ABOVE KEEL OF MN DK AT SIDE (AMID MLD)	12' 3 11/16"
TOP OF PILOT HOUSE AT CENTERLINE ABV. D.W.L	22' 11 1/4"
TOP OF UPPER DECK AT CENTERLINE ABV. D.W.L.	12' 11 1/4"

LIGHTS ABV. D.W.L. (8'-0" ABV. BOT OF KEEL AMIDSHIPS)

ANCHOR LIGHT - TOP OF JACKSTAFF, FOCSLE DK C.L.	
MASTHEAD LT ON MAST	38' 6"
RUNNING LTS - TOP OF PIL HSE P&S :	23' 5 1/4"
STERN LT - TOP OF UPR DK AT CL.	12' 0"

COMPLEMENT

CAPTAIN	1
C.P.O.	–
P.O.	5
CREW	8
TOTAL	14

FIRE PLUGS

LOCATION	NO	LOCATION	NO.
MAIN DK PORT FR 11		MAIN DK STBD. FR. 17	
MAIN DK STBD FR 11			
MAIN DK PORT FR. 17			

CAPACITIES OF TANKS

POTABLE WATER FULL (ESTIMATED)		12.4 TONS
DIESEL OIL FULL (ESTIMATED)		57.2 TONS
MAIN FUEL P&S EACH	7719 GAL	28.62 TONS
FRESH WATER P&S EACH	1675 GAL	6.22 TONS
FOREPEAK TANK	3216 GAL	12.28 TONS
AFT PEAK TANK	3500 GAL	13.37 TONS
HEATER & GENR FUEL TANK	151.82 GAL	.56 TONS
PORT MAIN ENG FUEL TANK	151.82 GAL	.56 TONS
STBD. MAIN ENG FUEL TANK	151.82 GAL	.56 TONS
LUB OIL STORAGE TANKS	561.04 GAL	2.08 TONS

SMALL BOATS

NO	NAME OF SMALL BOAT
1	CO_2 LIFE BOAT, 15 MEN CAPACITY ---1
2	18 FT MIAMI SKIMMER -------------1

DIMENSIONS & DATA SHEET

NAVSHIPSYSCOM PLAN NO. YFR-890-50103-2945391

PLATE 3

35' WHIP ANTENNA
(AN-URC-58)
RADAR ANTENNA
MD-1900
AIR CRAFT WARNING
LT. P/S
MASTHEAD LT
UPPER MANOVER BD
BREAKDOWN LT.
WIRE ANTENNA (TCS-12)
UNDER WATER
TASK LIGHT
WHIP ANTENNA
(AN/VRC-46)
12" SL
LOWER
MANOVER
BD BREAK
DN LT-40
IMC. SPEAGER
MAGNETIC
COMPASS
I.M.C. SPEACER
HORN
SIDE LIGHT
P/S
BOAT DAVIT
BOAT WINCH
LIFE BOAT
HOSE REEL
.50 CAL
M.G P/S
FLOOD LT.
WINCH
BITTS
PORT WHIP
STBD WHIP
STBD VANG
REEL
BOOM REST
WINDLASS CONTROLLER
ANCHOR WINDLASS
HAWSE
PIPE
AP
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
FP

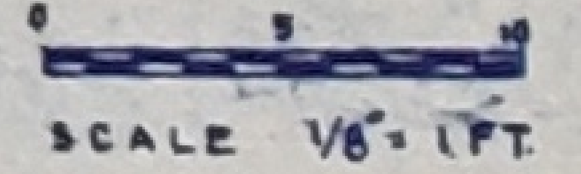
OUTBOARD PROFILE

SCALE 1/8" = 1 FT

NAVSHIPSYSCOM PLAN NO. YFR-890-S0103-2945391

35' WHIP ANT
(AN/URC-58)
RADER ANTENNA
MD 1900
WIRE ANTENNA (TCS-12)
MAGNETIC COMPASS
ANT. TRUNK
STACK
PETTY OFFICER STATE ROOM B-0105 L
PILOT HOUSE B-0101E
WASH RM. B-0104L
STERN LT.
UPPER DK.
CLOSED CHOCK
9" BITTS
ENG. RM. TRUNK B-1
ENGINEER STATE ROOM B-101-A
PASSAGE
WINCH
9" BITTS P/S
CLOSED CHOCK
BOOM REST
CONTROLLER
ANCHOR WINDLASS
CLOSED CHOCK
CLOSED CHOCK
9" BITTS P/S
FOC'SLE DK.
STEERING GEAR
C-202-E
AFT STORE ROOM
C-201-A
TRIM TANK
C-301-W
STAN ℄
STAN ℄ P/S
STAN P/S
ENG RM.
B-3E
STAN P/S & ℄
STAN ℄
AFT CARGO HOLD
A-2-A
FWD CARGO HOLD
A-1-A
V.L.
V.L.
FLOOR LINE
CREWS QUARTERS
A-202-3L
DRY STORES (P)
A-202-A
GALLEY (S)
A-202-1L
BOSNS STORES
A-201-A
WT FLAT
SHIP'S STORES
A-305A
A-303 W
A-304 W
F W TANKS P/S
CHAIN LKR
A-302-E
SUMP
PEAK TANK
A-301-W
AP
21
20
19
WT BHD
18
17
16
15
14
13
12
WT BHD
11
10
9
8
7
6
5
4
3
2
1
FP

INBOARD PROFILE


0
5
10
SCALE 1/8" = 1 FT.

NAVSHIPSYSCOM PLAN NO. YFR-890-S0103-2945391

PLATE 5

DAVIT SOCKET
18" SCUTTLE
TILLER HATCH
RWTH
FIRE PUMP DUPLICATE FORM PORTION
250 GPM PUMP
BITTS P/S
CLOSED CHOCK P/S
BATTEN
LKR
LKR
LKR
FUEL
V
AC UNIT
2 BERTH
ENGINEER STATE ROOM B-101-A
LKR
RYD T
FUEL
V
CLO
DRYER
WASH MACH
SINK
WC
WR
DESK
BATTEN
RESISTOR
BOAT/DAVIT CONTROLLER
MH
MH
4.2 M/G SET
CONTROLLER FOR WINCH P/S
OXYGEN
MAST
UP
WINCH
WINCH
CLOSED CHOCK P/S
8" BITTS P/S
CLOSED CHOCK P/S
UP
BOOM REST
H.T
ANCHOR WINDLASS
WINDLASS CONTROLLER
℄ SHIP
12" BITT
9" BITT P/S
BOOBY HATCH
REEL
VENT P/S
CLOSED CHOCK P/S
CLOSED CHOCK P/S
AP
21
20
19
18
17
16
15
14
13
12
11 1/6
10
9
8
7
6
5
4
3
2
1
FP
WEB FRS @ 6'-0" C TO C
5'-0"
7'-0"
WEB FRS @ 6'-0" C TO C
4
3
2
1
LKR
LKR
3 CREW'S BERTH
3 CREWS BERTH
RWTH
SHOWER
URINAL
CREW'S QTR A-202-3L
CREW'S WR & W.C. A-202-2L
LAV
MESS TABLE
D.F
RWTH
W.C.
BOSN'S STORES A-201-A
℄ SHIP
RWTH
FROZEN FOOD CABINET
RWTH
STAN
UP
AC UNIT
GALLEY A-202-1L
HOT PLATE
WORK TABLE
SINK
LKR
3 CREW'S BERTH
ELEC RANGE
FLAT

MAIN DECK & FLAT

SCALE 1/8" = 1 FT.

NAVSHIPSYSCOM PLAN NO. YFR 890-S0103-2945391

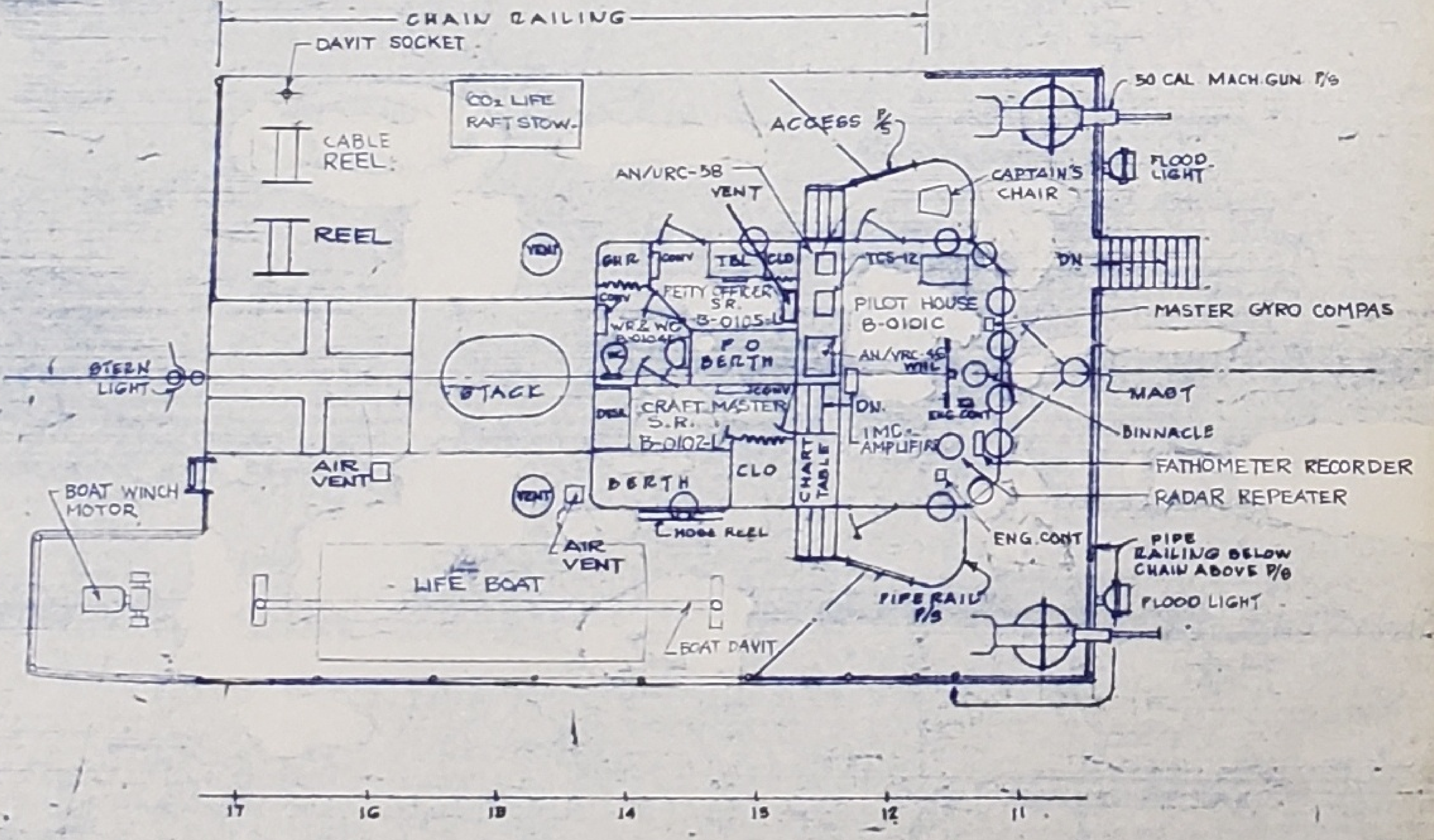
PLATE 6

STEERING GEAR C-202E
CONTROLLER STEERLING
AFT STORE ROOM C-201-A
H
TOOL ROOM
TOOL BOX
STEERING MOTOR
M.S.B.D 230VDC.
DIESEL GENR 60KW
SPARE PARTS STOW
E M SHOP
SPARE PARTS STOW.
AIR TANKS OVER SHIP SERVICE
FW PRESS TANK
WORK BENCH
LUB OIL
CO2
PORT ENG
STBD. ENG
CO2
#2 S.W. PUMP
DT P/S
FIRE BILGE P
CONTROLLED FIRE BILGE PUMP
#1 SUMP
ST P/S
TANK SW PRESS
AIR TANK (OVER)
AIR TANK (OVER)
AIR COMPRESSOR
BATT START 60 KW GENERATOR
#1 M/G SET
BATT. FOR RADIO
DIESEL GENR 60KW
DT P/S
D.O. TANKS OVER
60KW DIESEL GENR
SW BD
CO2
REFER COMPRESSOR
GAUGE BOARD
ICE MAKER
AC-DC CONVERT
LUB OIL TANK
FO TANK B-4F
FO TANK B-2F
FO TANK B-1F
FO TANK B-3F
CARGO HOLD A-2-A
V.L.
M.H.
CARGO HOLD A-1-A
V.L.
M.H.
SHIP'S STORES A-305A
V.L.
FRESH WATER A-304W
FRESH WATER A-303W
CHAIN LKR A-302-E
SUMP
PEAK TANK A-301W
℄ SHIP
AP
19
18
17
16
15
14
13
12
11½
10
9
8
7
6
5
4
3
2
1
FP

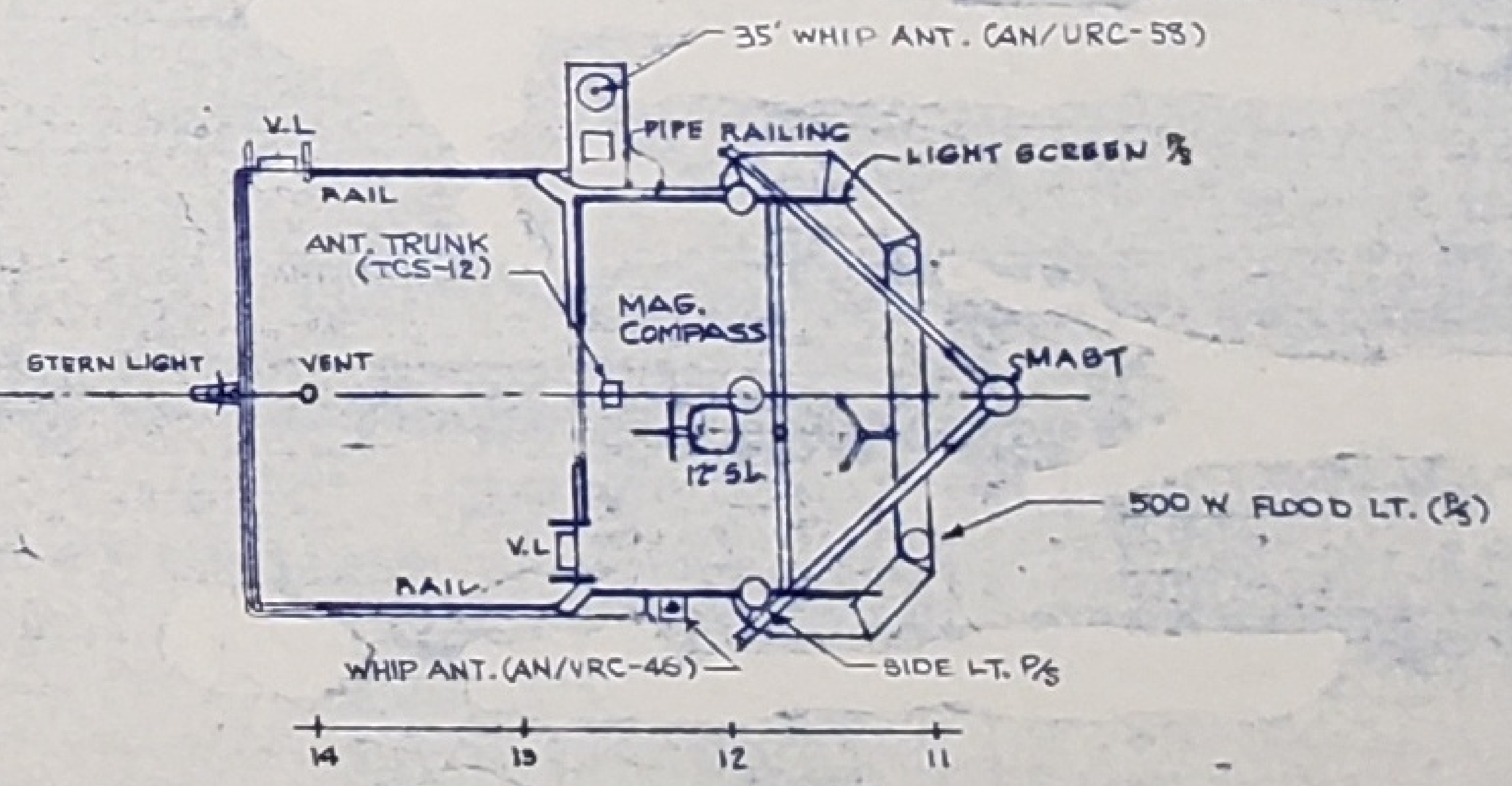
CARGO HOLD & ENGINE ROOM

0 5 10
SCALE 1/8" = 1 FT.

NAVSHIPSYSCOM PLAN NO. YFR- 890 -S0103-2945391


CHAIN RAILING
DAVIT SOCKET
CO2 LIFE RAFT STOW.
CABLE REEL
REEL
ACCESS P/S
50 CAL MACH. GUN P/S
FLOOD LIGHT
AN/URC-58
VENT
CAPTAIN'S CHAIR
VENT
GHR
CONV
TBL
CLO
PETTY OFFICER S.R. B-0105-L
WR & WC B-0104-L
F O BERTH
PILOT HOUSE B-0101C
TCS-12
DN
AN/VRC-46
WHL
MASTER GYRO COMPAS
STERN LIGHT
STACK
CONV
DESK
CRAFT MASTER S.R. B-0102-L
DN.
1MC AMPLIFIER
ENG CONT
MAST
BINNACLE
AIR VENT
CHART TABLE
FATHOMETER RECORDER
RADAR REPEATER
VENT
BERTH
CLO
HOSE REEL
ENG. CONT
BOAT WINCH MOTOR
AIR VENT
PIPE RAILING BELOW CHAIN ABOVE P/S
LIFE BOAT
PIPE RAIL P/S
FLOOD LIGHT
BOAT DAVIT
17
16
15
14
13
12
11

UPPER DECK


35' WHIP ANT. (AN/URC-58)
PIPE RAILING
LIGHT SCREEN P/S
V.L
RAIL
ANT. TRUNK (TCS-12)
MAG. COMPASS
STERN LIGHT
VENT
MAST
12" SL
500 W. FLOOD LT. (P/S)
V.L
RAIL
WHIP ANT. (AN/VRC-46)
SIDE LT. P/S
14
13
12
11

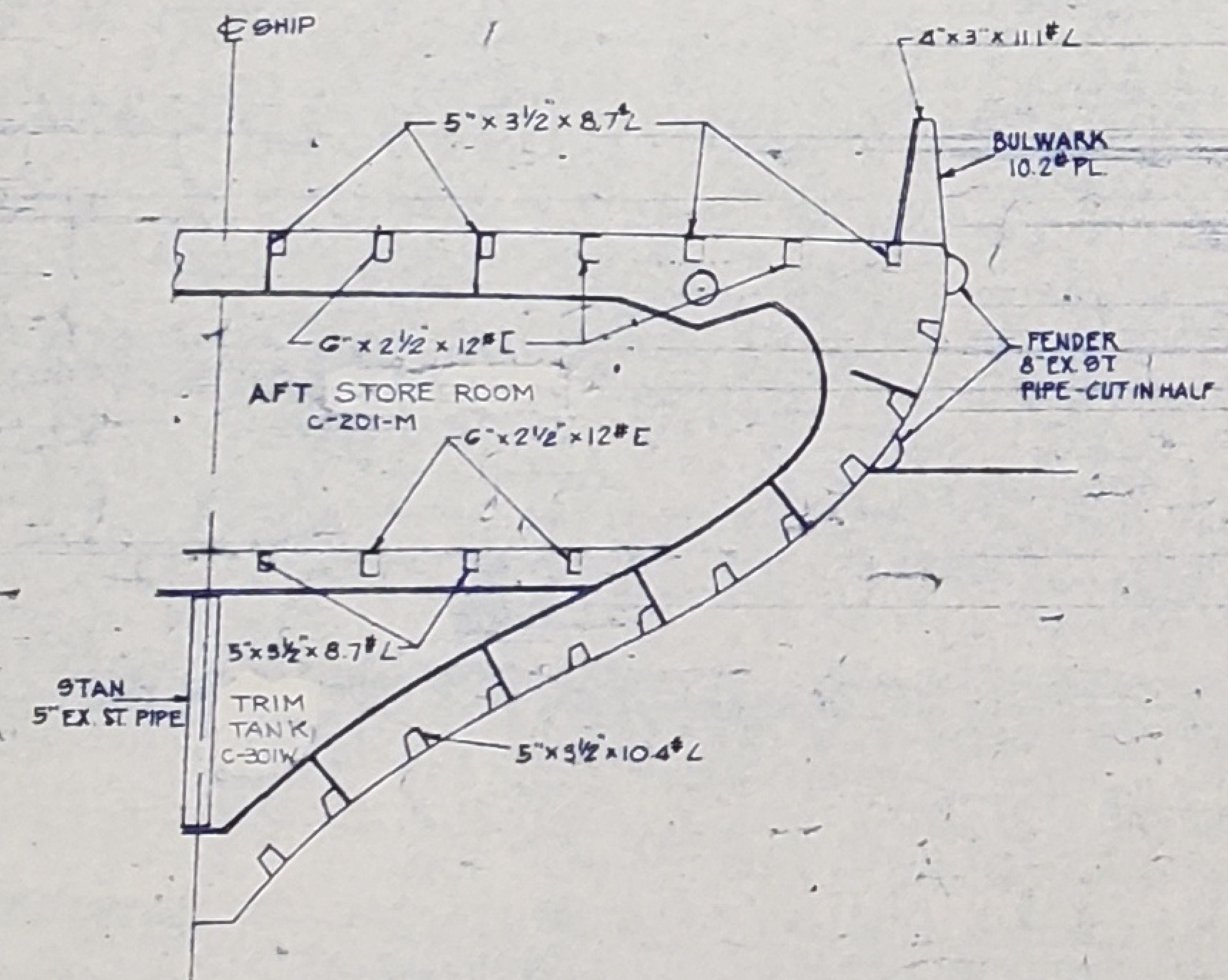
TOP OF PILOT HOUSE

UPPER DECK & PILOT HOUSE

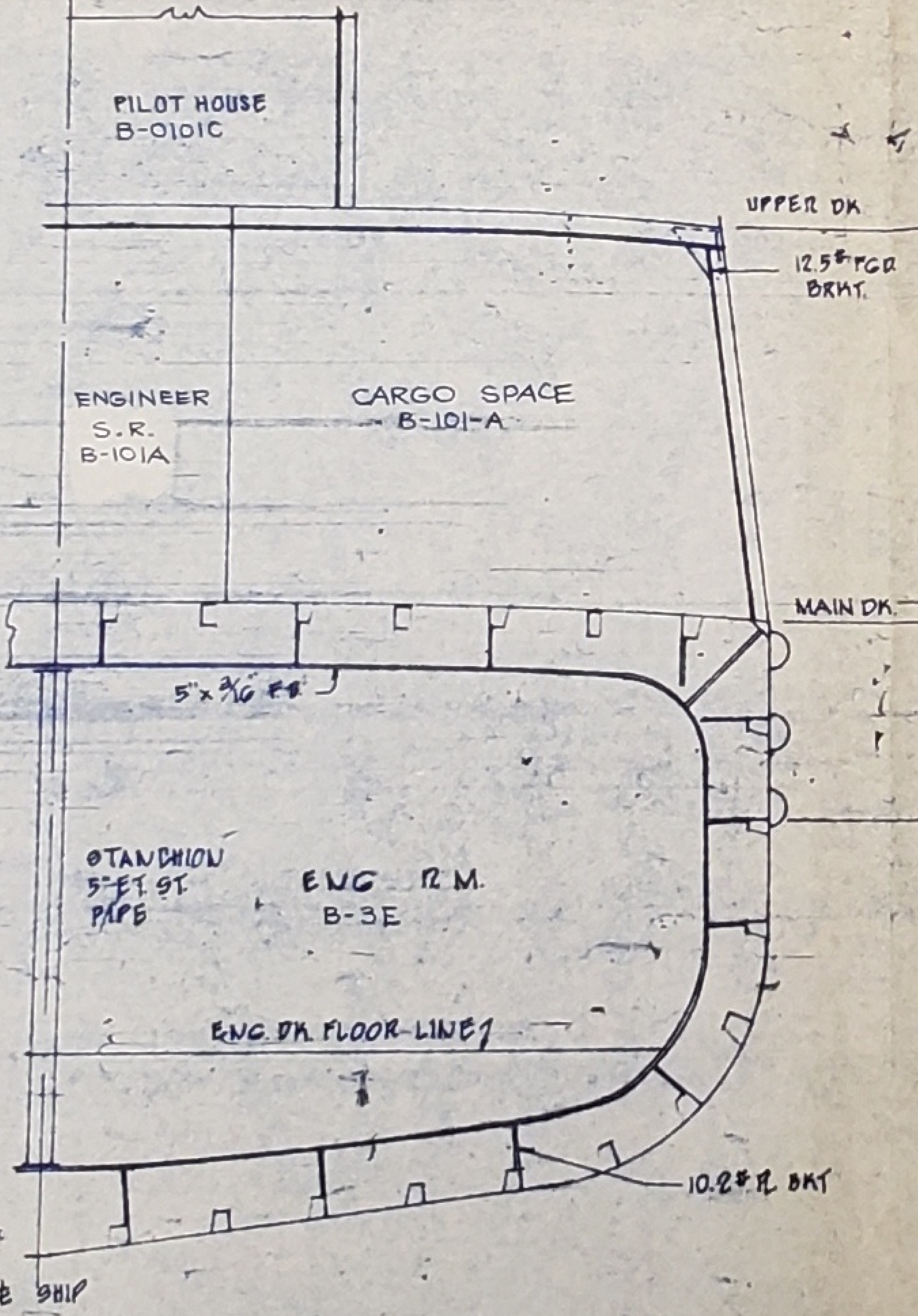
0 5 10
SCALE 1/8" = 1 FT.

NAVSHIPSYSCOM PLAN NO. YFR-890-S0103-2945391

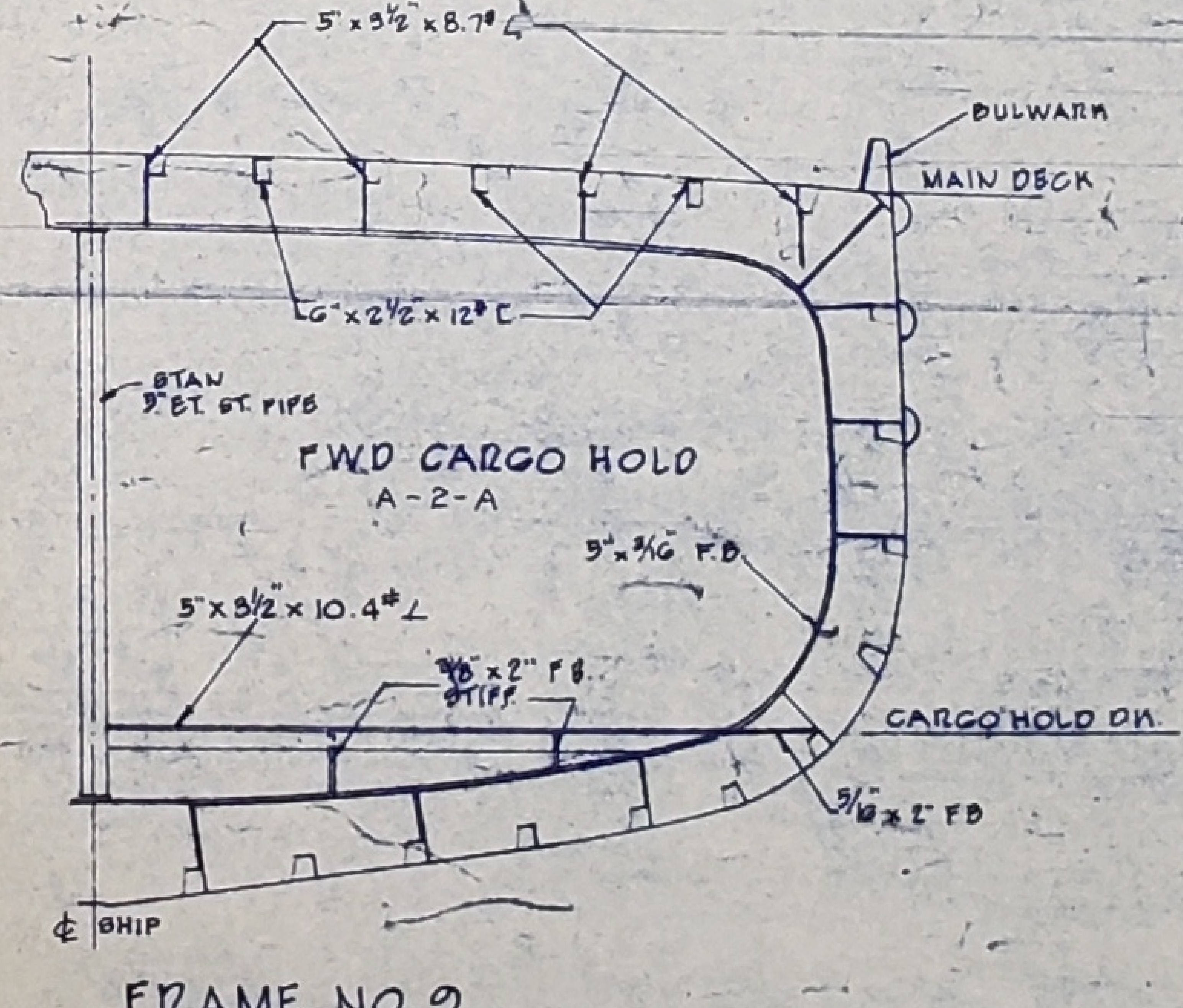
PLATE 8


℄ SHIP
4"x3"x11.1#∠
5"x3½x8.7#∠
BULWARK
10.2#PL
6"x2½x12#[
FENDER
8" EX. ST.
PIPE-CUT IN HALF
AFT STORE ROOM
C-201-M
6"x2½"x12#[
5"x3½x8.7#∠
STAN
5" EX. ST. PIPE
TRIM
TANK
C-301W
5"x3½x10.4#∠

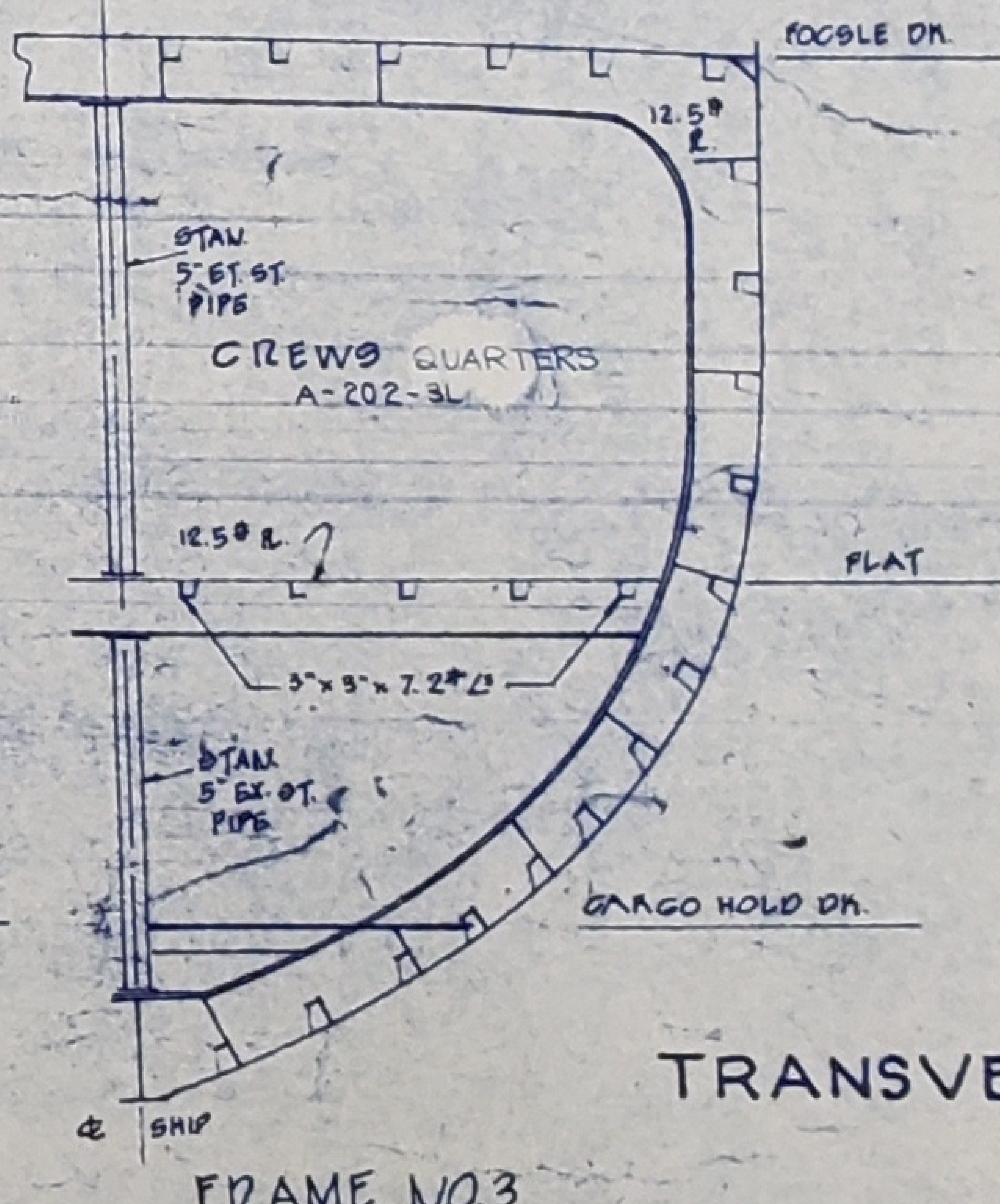
FRAME NO. 19
LOOKING AFT


PILOT HOUSE
B-0101C
UPPER DK.
12.5# FGR
BRKT.
ENGINEER
S.R.
B-101A
CARGO SPACE
B-101-A
MAIN DK.
5"x3/16" FB
STANCHION
5" EX. ST.
PIPE
ENG. RM.
B-3E
ENG. DK. FLOOR-LINE
10.2# PL BKT
℄ SHIP

FRAME NO 14
LOOKING AFT


5"x3½"x8.7#∠
BULWARK
MAIN DECK
6"x2½"x12#[
STAN
5" EX. ST. PIPE
FWD CARGO HOLD
A-2-A
5"x3/16" F.B.
5"x3½"x10.4#∠
3/8"x2" F.B.
STIFF.
CARGO HOLD DK.
5/16"x2" FB
℄ SHIP

FRAME NO. 9
LOOKING AFT.


FOCSLE DK.
12.5#
PL
STAN.
5" EX. ST.
PIPE
CREWS QUARTERS
A-202-3L
12.5# PL
FLAT
3"x3"x7.2#∠
STAN.
5" EX. ST.
PIPE
CARGO HOLD DK.
℄ SHIP

FRAME NO. 3
LOOKING AFT

TRANSVERSE SECTION

0 1 2 3 4 5
SCALE ¼" = 1 FT

NAVSHIPSYSCOM PLAN NO. YFR-890 S0103-2945391